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MALLINCKRODT PATENT

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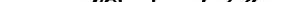
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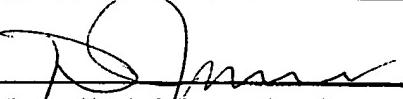
Sheet 1(A) of 1

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| SUBSTITUTE FORM PTO-1449<br>(MODIFIED)   |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | ATTY, DOCKET NO.<br>MRD/67CP        | SERIAL NO.<br>10/751,232 |
| SUPPLEMENTAL INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary)<br><br>(37 CFR 1.98(b)) |  |  |  | APPLICANT<br>Samuel Achilefu et al. |                          |
|  |  |  |  | FILING DATE<br>January 2, 2004      | GROUP<br>1642 1618       |

| U.S. PATENT DOCUMENTS |     |               |   |   |            |          |       |          |                                     |
|-----------------------|-----|---------------|---|---|------------|----------|-------|----------|-------------------------------------|
| EXAMINER INITIAL      |     | PATENT NUMBER |   |   | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE          |
| P.C.                  | A.A | 5             | 1 | 0 | 6          | 9        | 9     | 0        | 04/1992 Ohno et al. 548 427 03/1989 |
| T.O.                  | A.B | 5             | 4 | 9 | 8          | 6        | 8     | 9        | 03/1998 Ogawa 430 505 01/1995       |
|                       | A.C |               |   |   |            |          |       |          |                                     |
|                       | A.D |               |   |   |            |          |       |          |                                     |
|                       | A.E |               |   |   |            |          |       |          |                                     |
|                       | A.F |               |   |   |            |          |       |          |                                     |
|                       | A.G |               |   |   |            |          |       |          |                                     |
|                       | A.H |               |   |   |            |          |       |          |                                     |
|                       | A.I |               |   |   |            |          |       |          |                                     |
|                       | A.J |               |   |   |            |          |       |          |                                     |
|                       | A.K |               |   |   |            |          |       |          |                                     |

| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS |     |                 |                  |                          |       |          |                      |
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|  |     | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|  | A.L |                 |                  |                          |       |          |                      |
|  | A.M |                 |                  |                          |       |          |                      |
|  | A.N |                 |                  |                          |       |          |                      |
|  | A.O |                 |                  |                          |       |          |                      |
|  | A.P |                 |                  |                          |       |          |                      |
|  | A.Q |                 |                  |                          |       |          |                      |

| OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) |  |
|---|--|
| A.R   | PCT, International Search Report, Date Mailed February 13, 2002 (1 page) |
| A.S   |  |
| A.T   |  |

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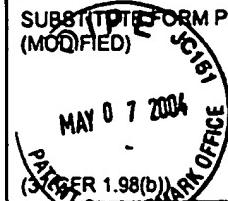


## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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|   |   |            |            |              |      |       |          |  |
|---|---|------------|------------|--------------|------|-------|----------|--|
| Title of Invention  | Light Sensitive Compounds For Instant Determination Of Organ Function |            |            |              |      |       |          |  |
| Application Number:   | 10/751232   |            |            |              |      |       |          |  |
| Confirmation Number:  | 2153  |            |            |              |      |       |          |  |
| First Named Applicant:  | Samuel Achilefu   |            |            |              |      |       |          |  |
| Attorney Docket Number:   | mrd57cp<br>1642 / 618   |            |            |              |      |       |          |  |
| Art Unit:   |   |            |            |              |      |       |          |  |
| Search string:  | ( 6083485 or 6258340 ).pn.  |            |            |              |      |       |          |  |
| <b>US Patent Documents</b>  |   |            |            |              |      |       |          |  |
| Note: Applicant is not required to submit a paper copy of cited US Patent Documents |   |            |            |              |      |       |          |  |
| init  | Cite.No.  | Patent No. | Date       | Patentee     | Kind | Class | Subclass |  |
| 1   | 1   | 6083485    | 2000-07-04 | Licha et al. |      | 424   | 9.6      |  |
| 2   | 2   | 6258340    | 2001-07-10 | Licha et al. | B1   | 424   | 9.6      |  |
| <b>Remarks</b>  |   |            |            |              |      |       |          |  |
| Note: Remarks are not for responding to an office action.                           |   |            |            |              |      |       |          |  |
| This is a 2nd Supplemental IDS.   |   |            |            |              |      |       |          |  |
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| Examiner Name   |   |            |            | Date         |      |       |          |  |
|   |   |            |            | 7/22/04      |      |       |          |  |

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| <br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use several sheets if necessary) |  | APPLICANT<br>Samuel Achilefu et al.                        |  |                              |                          |
|  |  | FILING DATE<br>January 2, 2004                             |  | GROUP<br>1642                | 1658                     |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |     | PATENT NUMBER |   |   |   |   |   | ISSUE DATE | PATENTEE        | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----|---------------|---|---|---|---|---|------------|-----------------|-------|----------|----------------------------|
| <i>CD</i>        | A.A | 4             | 5 | 7 | 4 | 1 | 2 | 4          | Kabbe et al.    | 514   | 228      | 01/23/84                   |
|                  | A.B | 5             | 3 | 4 | 6 | 8 | 0 | 1          | Watanabe et al. | 430   | 253      | 03/18/93                   |
|                  | A.C | 5             | 3 | 9 | 5 | 6 | 1 | 9          | Zalipsky        | 424   | 450      | 03/03/93                   |
|                  | A.D | 5             | 4 | 9 | 2 | 8 | 1 | 4          | Weissleder      | 435   | 725      | 11/03/92                   |
|                  | A.E | 5             | 6 | 3 | 1 | 0 | 1 | 8          | Zalipsky et al. | 424   | 450      | 10/04/94                   |
|                  | A.F | 5             | 8 | 4 | 0 | 0 | 2 | 3          | Oraevsky et al. | 600   | 407      | 01/31/96                   |
|                  | A.G | 5             | 9 | 7 | 7 | 5 | 3 | 8          | Unger et al.    | 250   | 227.2    | 05/11/98                   |
|                  | A.H | 6             | 1 | 5 | 0 | 4 | 0 | 5          | Proctor         | 514   | 474      | 06/07/95                   |
| <i>CD</i>        | A.I | 6             | 1 | 8 | 0 | 0 | 8 | 6          | Achilefu et al. | 424   | 9.6      |                            |
|                  | A.J | 6             | 1 | 8 | 0 | 0 | 8 | 7          | Achilefu et al. | 424   | 9.6      |                            |
|                  | A.K | 6             | 1 | 8 | 0 | 0 | 8 | 5          | Achilefu et al. | 424   | 9.6      |                            |

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

|  |     | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|--|-----|-----------------|------------------|--------------------------|-------|----------|----------------------|
|  | A.L |                 |                  |                          |       |          |                      |
|  | A.M |                 |                  |                          |       |          |                      |
|  | A.N |                 |                  |                          |       |          |                      |
|  | A.O |                 |                  |                          |       |          |                      |
|  | A.P |                 |                  |                          |       |          |                      |
|  | A.Q |                 |                  |                          |       |          |                      |

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

|           |     |  |
|-----------|-----|--|
| <i>CD</i> | A.R | Christopher C. Baker, M.D., <u>Epidemiology of Trauma Deaths</u> , Amer. Jour. of Surg., Vol. 150, 1980, pp. 144-150   |
| <i>CD</i> | A.S | John Baldas et al, <u>Preparation, HPLC Studies and Biological Behaviour of 99mTc- and 99mTcN-radiopharmaceuticals Based on Quinoline Type Ligands</u> , Nucl. Med. Biol., Vol. 19, No. 4, 1992, pp. 491-496 |
| <i>CD</i> | A.T | Braun-Falco et al., <u>Liposome Dermatics</u> , Greisbach Conference, Springer-Verlag, 1992, pp.69-117   |

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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary)<br><br>(37 CFR 1.98(b)) |  |  |  | APPLICANT<br>Samuel Achilefu et al. |                          |
|   |  |  |  | FILING DATE<br>January 2, 2004      | GROUP<br>1642 11018      |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |     | PATENT NUMBER |   |   |   |   |   | ISSUE DATE | PATENTEE | CLASS               | SUBCLASS | FILING DATE IF APPROPRIATE |          |
|------------------|-----|---------------|---|---|---|---|---|------------|----------|---------------------|----------|----------------------------|----------|
| <i>T.D.</i>      | B.A | 6             | 1 | 8 | 3 | 7 | 2 | 6          | 02/2001  | Achilefu et al.     | 424      | 9.6                        |          |
|                  | B.B | 6             | 1 | 9 | 0 | 6 | 4 | 1          | 02/2001  | Achilefu et al.     | 424      | 9.6                        |          |
|                  | B.C | 6             | 2 | 1 | 7 | 8 | 4 | 8          | 04/2001  | Achilefu et al.     | 424      | 9.1                        |          |
|                  | B.D | 6             | 2 | 5 | 8 | 3 | 7 | 8          | 07/10/01 | Schneider et al.    | 424      | 450                        | 02/03/99 |
|                  | B.E | 6             | 2 | 6 | 4 | 9 | 1 | 9          | 07/2001  | Achilefu et al.     | 424      | 9.6                        |          |
|                  | B.F | 6             | 2 | 7 | 7 | 4 | 0 | 3          | 08/21/01 | Perez Mendez et al. | 424      | 450                        | 01/16/98 |
|                  | B.G | 6             | 3 | 9 | 5 | 2 | 5 | 7          | 05/2002  | Achilefu et al.     | 424      | 9.6                        |          |
| <i>V.J.</i>      | B.H | 6             | 4 | 0 | 6 | 7 | 1 | 3          | 06/18/02 | Janoff et al.       | 424      | 450                        | 04/28/95 |
| <i>T.D.</i>      | B.I | 6             | 6 | 1 | 0 | 3 | 2 | 2          | 08/26/03 | Keller et. al.      | 424      | 450                        | 12/20/00 |
|                  | B.J |               |   |   |   |   |   |            |          |                     |          |                            |          |
|                  | B.K |               |   |   |   |   |   |            |          |                     |          |                            |          |

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|--|-----|-----------------|------------------|--------------------------|-------|----------|----------------------|
|  | B.L |                 |                  |                          |       |          |                      |
|  | B.M |                 |                  |                          |       |          |                      |
|  | B.N |                 |                  |                          |       |          |                      |
|  | B.O |                 |                  |                          |       |          |                      |
|  | B.P |                 |                  |                          |       |          |                      |
|  | B.Q |                 |                  |                          |       |          |                      |

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

|             |                                  |   |
|-------------|----------------------------------|---|
| <i>T.D.</i> | B.R                              | Frank B. Cerra, M.D., <u>Multiple Organ Failure Syndrome</u> , New Horizons: Multiple Organ Failure, Society of Critical Care Medicine, 1989, pp. 1-24                            |
| <i>T.D.</i> | B.S                              | Peter L. Choyke et al., <u>Hydrated clearance of gadolinium-DTPA as a measurement of glomerular filtration rate</u> , Kidney International, Vol. 41, 1992, pp. 1595-1598          |
| <i>T.D.</i> | B.T                              | Cdr. P.D. Doolan, MC, USN, et al., <u>A Clinical Appraisal of the Plasma Concentration and Endogenous Clearance of Creatinine</u> , Amer. Jour. of Med., Vol. 32, 1962, pp. 65-79 |
| EXAMINER    | <i>T.D.</i>                      |   |
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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT      |  | APPLICANT<br>Samuel Achilefu et al.                        |                              |                            |
| (Use several sheets if necessary)<br>(37 CFR 1.98(b)) |  | FILING DATE<br>January 2, 2004                             |                              | GROUP<br>1642 <i>10018</i> |

## U.S. PATENT DOCUMENTS

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|                  | C.B |               |            |          |       |          |                            |
|                  | C.C |               |            |          |       |          |                            |
|                  | C.D |               |            |          |       |          |                            |
|                  | C.E |               |            |          |       |          |                            |
|                  | C.F |               |            |          |       |          |                            |
|                  | C.G |               |            |          |       |          |                            |
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|                  | C.J |               |            |          |       |          |                            |
|                  | C.K |               |            |          |       |          |                            |

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|  | C.L |                 |                  |                          |       |          |                      |
|  | C.M |                 |                  |                          |       |          |                      |
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|  | C.P |                 |                  |                          |       |          |                      |
|  | C.Q |                 |                  |                          |       |          |                      |

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

|                    |     |   |
|--------------------|-----|---|
| <i>[Signature]</i> | C.R | Richard B. Dorshow et al., <u>Monitoring physiological function by detection of exogenous fluorescent contrast agents</u> , Optical Diagnostics of Biological Fluids IV, A. Priezzhev and T. Asakura, Eds., Proceedings of SPIE, 1999, Vol. 3599, pp. 2-8 |
| <i>[Signature]</i> | C.S | Dorshow et al., <u>Optical Detection of Hepatic and Renal Function</u> , Bull. Am. Phys. Soc., Vol. 42, No. 1, (1997) p. 681  |
| <i>[Signature]</i> | C.T | Richard B. Dorshow et al., <u>Noninvasive Fluorescence Detection of Hepatic and Renal Function</u> , Journal of Biomedical Optics, Vol. 3, No. 3, 1998, pp. 340-345   |

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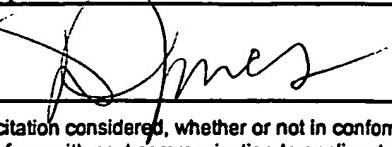
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|  | D.P |                 |                  |                          |       |          |                      |
|  | D.Q |                 |                  |                          |       |          |                      |

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

|   |   |   |
|---|---|---|
|  | D.R   | James H. Flanagan, Jr., et al., <u>Near-Infrared Heavy-Atom-Modified Fluorescent Dyes for Base-Calling in DNA-Sequencing Applications Using Temporal Discrimination</u> , Anal. Chem., Vol. 70, No. 13, 1998, pp. 2676-2684                           |
|  | D.S   | P. Guesry et al., <u>Measurement of glomerular filtration rate by fluorescent excitation of non-radioactive meglumine iothalamate</u> , Clinical Nephrology, Vol. 3, No. 4, 1975, pp. 134-138   |
|  | D.T   | L.Hansen et al., <u>Synthesis of the Sulphonate and Phosphonate Derivatives of Mercaptoacetyltriglycine, X-Ray Crystal Structure of Ha2[ReO(Mercaptoacetyltriglycyl'Aminomethanesulphonate)]·3H2O</u> , Metal-Based Drugs, Vol. 1, No. 1, 1993, 31-39 |
| EXAMINER  |  Jones |   |
|   | DATE CONSIDERED<br>4/6/06   |   |

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|   |  |  |  | FILING DATE<br>January 2, 2004      | GROUP<br>1642 1018       |

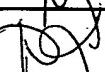
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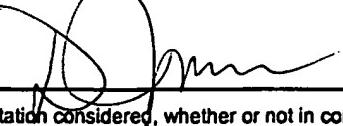
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|                  | E.B |               |            |          |       |          |                            |
|                  | E.C |               |            |          |       |          |                            |
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|  | E.L |                 |                  |                          |       |          |                      |
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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary)<br><br>(37 CFR 1.98(b)) |  |  |  | APPLICANT<br>Samuel Achilefu et al. |                            |
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| EXAMINER INITIAL |     | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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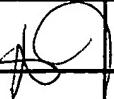
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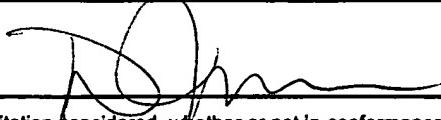
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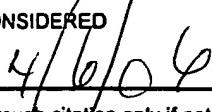
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|   |  |  |  | FILING DATE<br>January 2, 2004      | GROUP<br>1642 1618       |

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| EXAMINER INITIAL |     | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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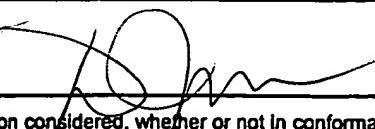
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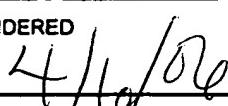
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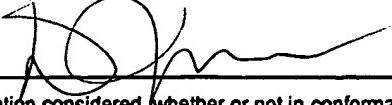
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